

Logistics Over The Shore (LOTS)

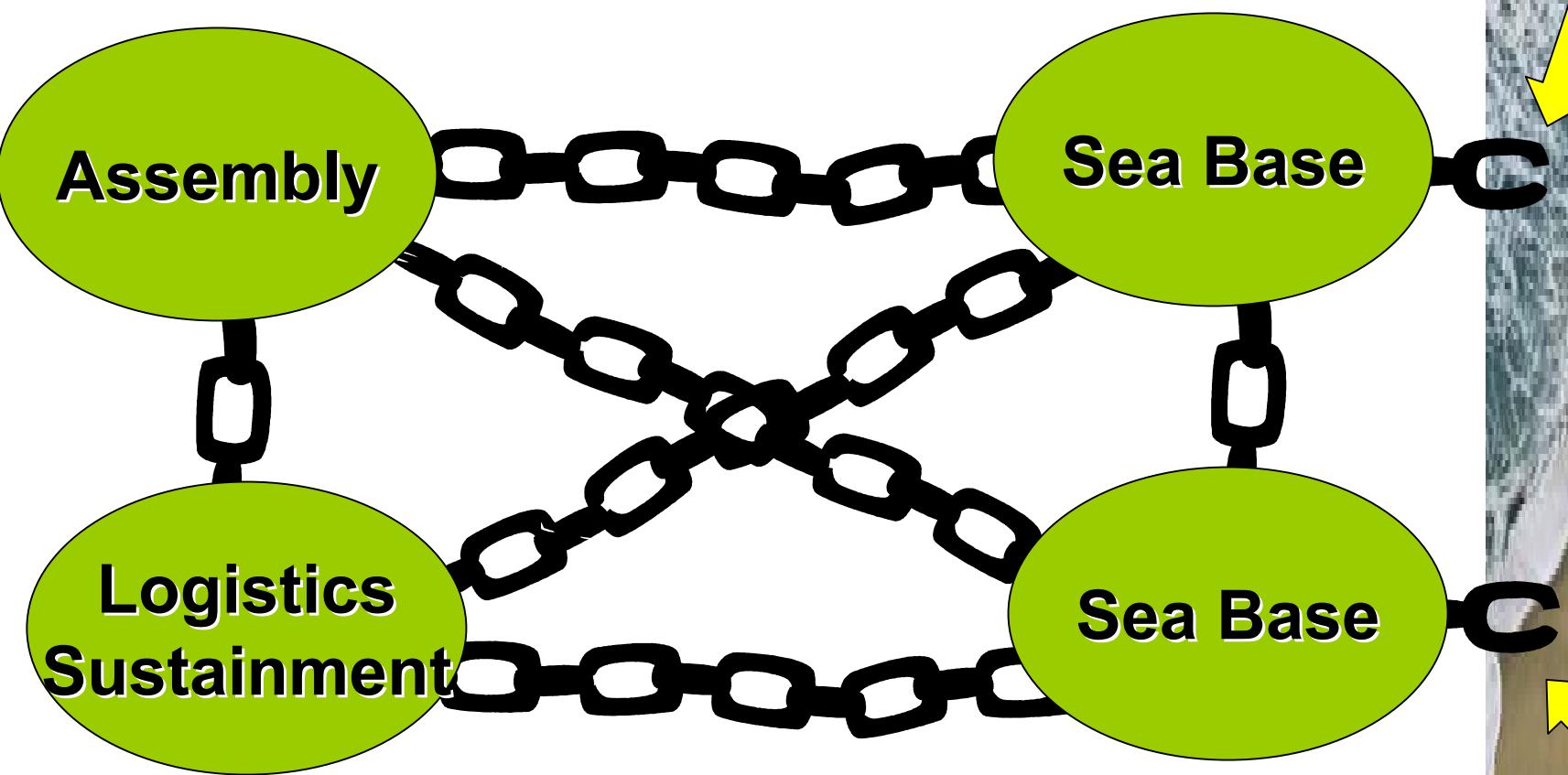
A Weak Link in the Sea Basing Chain?

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SEABASING



ISSUES

- Benign Environment
- Equipment
- Weather
- Sea Bottom Gradient
- Time
- Throughput Required

EQUIPMENT

- Tugs
- Landing Craft
 - LCU
 - LCAC
 - LSV
- Causeways
 - RO/RO
 - Ferry
 - Floating



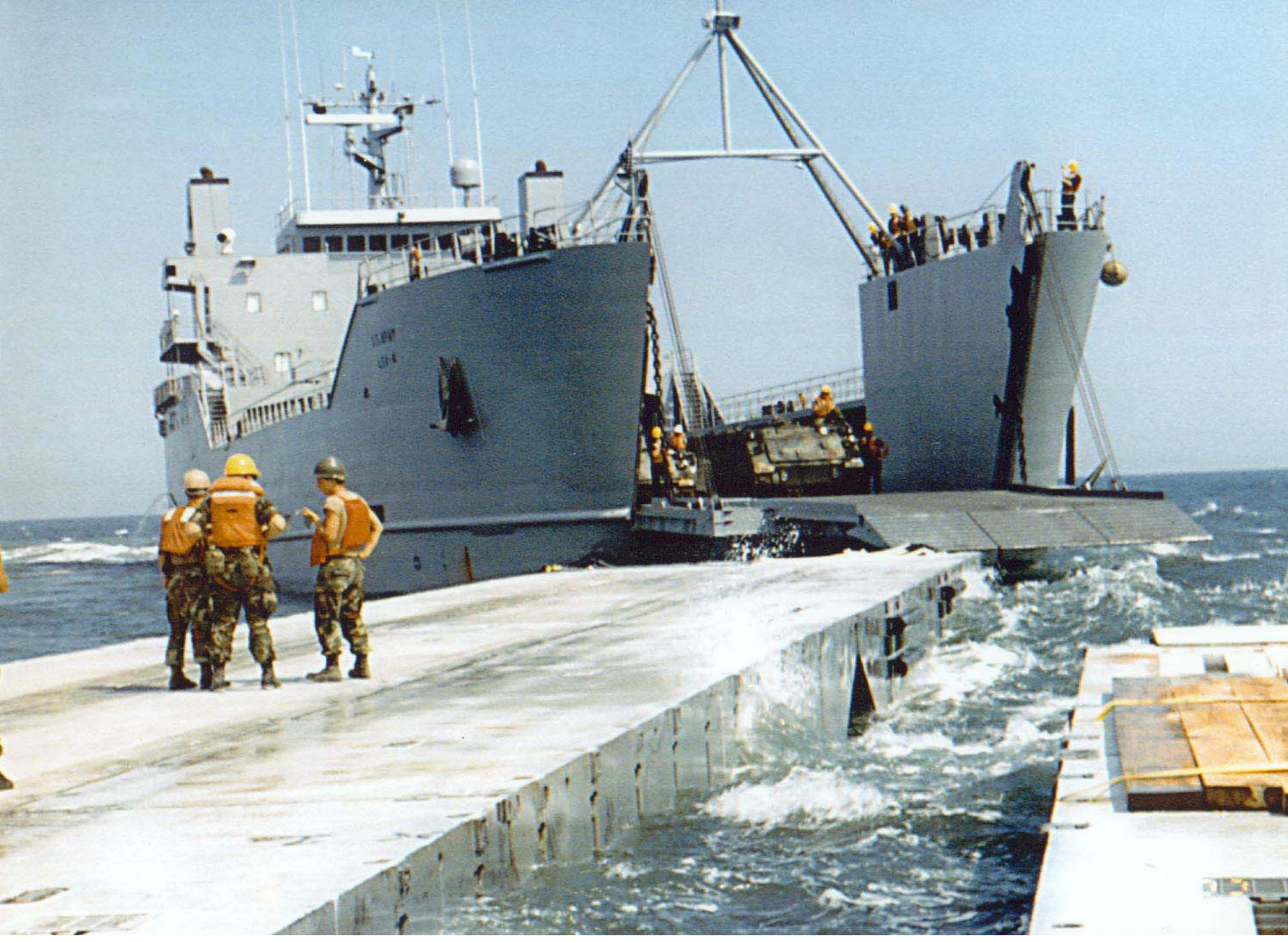






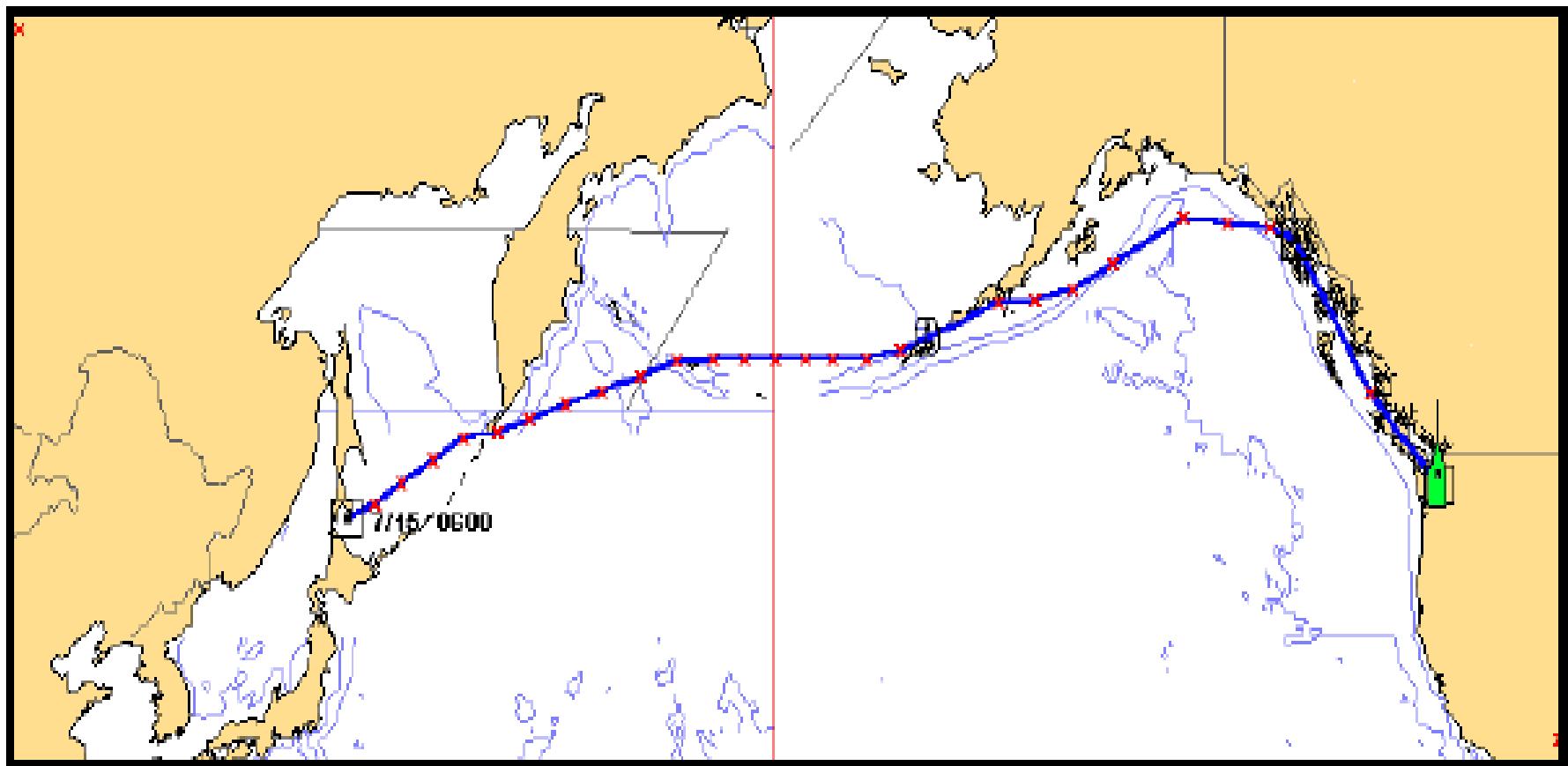








Sakhalin



Sakhalin



SAKHALIN ISLAND

- Bare Beach
- High Berm
- Sandbars
- Totally Exposed
- Fine Sand Slope
- 2 KT Parallel Current
- No Sounding Data

SAKHALIN EQUIPMENT

- Tugs 5000 HP+, 90' and 48'
- Ocean Barges 400' x 100'; 240' x 60'
- Flexi Floats
- Cranes
- Bulldozers
- Mooring Systems
- Durabase Matting
- Pumps / Generators































RECOMMENDATIONS

- Increase R&D
- Market Survey
- Government / Industry Meetings
- Contingency Contracts